

REMARKS/ARGUMENTS

Favorable reconsideration, as presently amended and in light of the following discussion is respectfully requested.

Claims 1-6 are currently pending in the application; Claims 1-6 are amended only to correct matters of form. Thus, no new matter is presented.

By way of summary, the Official Action presents the following issues: the abstract was objected to for failing to be only one paragraph in length; the specification was commented upon for failing to include appropriate section headings; Claims 3-6 were objected to for failing to properly identify the claim from which they depend; the drawings were objected to for being of insufficient quality to permit examination; and Claims 1-6 were rejected under 35 U.S.C. § 102(b) as being anticipated by Goss et al. (U.S. Patent No. 4,667,290, hereinafter "Goss").

In response to the objection to the abstract for failing to be limited to a single paragraph, the abstract has been amended. Specifically, the abstract has been rewritten to be of only one paragraph in length and not include legal phraseology. Accordingly, Applicants respectfully request that the objection to the abstract be withdrawn.

The specification has also been amended to include section headings, as requested in the Official Action.

Claims 3-6 were objected to for failing to properly identify the claim from which they depend. In response, Claims 3-6 have been amended to expressly recite the claim from which each depends. Accordingly, Applicants respectfully request the objection to Claims 3-6 be withdrawn.

The Official Action objected to the drawings for being of insufficient quality to permit examination, without providing any explanation of the insufficiencies being asserted.

In response, a drawing sheet including Figure 1 has been submitted herewith, which includes corrections of minor informalities that Applicants have noted in Figure 1. In addition, Applicants respectfully request that the objection to the drawings be withdrawn. However, if the Examiner maintains that the newly submitted drawing is of insufficient quality to permit examination, or that Figure 2 is considered to be deficient for any reason, Applicants respectfully request that the Examiner provide the reasons for asserting that any drawing is considered insufficient.

The outstanding Official Action asserts that Goss teaches all of the elements recited in Claim 1. Applicants respectfully traverse this rejection.

The present invention relates to a computer code generator which generates computer codes based on a specifications file. The generator includes a front end which creates an intermediate file based on a grammatical and syntactical analysis of the specifications file. This intermediate file includes a syntactical tree describing the data in the specifications file, and all data extracted from the specifications file by the front end is associated with a node in the tree. The generator also includes a template which defines programming roles associated with each node, as a function of the computer code to be generated. A back end is also provided in the generator which generates output code by reading the intermediate file and the syntactical tree. It should be noted, as seen in Figure 1, that the grammatical and syntactical analysis are both performed directly on the specifications file.

Amended Claim 1 recites, *inter alia*, a computer code generator, comprising:

“a front end configured to create an intermediate file based on a grammatical and syntactical analysis of the specifications file...”

Now turning to the applied prior art, Goss describes a method for directing a digital data processor to translate a program written in source code language into a sequence of machine executable instructions. Specifically, Goss describes that the syntax phase (4)

process a source code (2) and outputs an abstract syntax tree (AST) file (6) representation of that code.<sup>1</sup> Then, on the second pass of the compiler, semantics analysis (8), uses the AST file (6) as its input and converts this into an intermediate language.<sup>2</sup> Goss's process then continues to generate the executable file.

Amended Claim 1 recites that the front end is configured to create an intermediate file based on a grammatical and syntactical analysis of the specifications file. In contrast, Goss describes that a syntax analysis phase (4) processes a source code (2) and outputs an AST (6) representation of that code.<sup>3</sup> Goss then describes that on the second pass of the compiler, a semantics analysis (8), uses the AST file (6) as its input it converts to an intermediate language file.<sup>4</sup> Clearly, Goss fails to describe the intermediate file is created based on a grammatical and syntactical analysis of the specifications file. Instead, Goss describes the semantics (or grammatical) analysis is performed on the AST file (6) which is not the original source code (or specifications file). Therefore, Goss fails to teach or describe a front end configured to create an intermediate file based on a grammatical and syntactical analysis of the *specifications file*, as recited in amended Claim 1.

Accordingly, Applicants respectfully request that the rejection of Claim 1 under 35 U.S.C. § 102(b) be withdrawn. As Claims 2-5 depend from amended Claim 1, it is respectfully submitted that these claims also patentably define over Goss.

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<sup>1</sup> Goss at col. 3, lines 25-30.

<sup>2</sup> Goss at col. 3, lines 39-41.

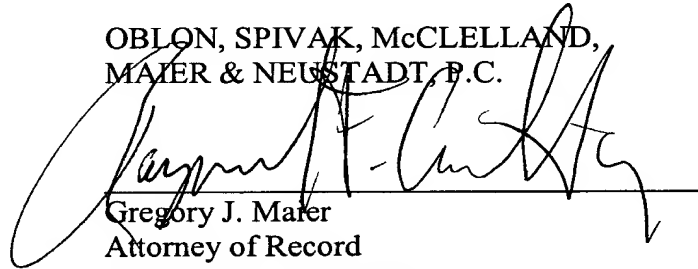
<sup>3</sup> Goss at col. 4, lines 29-33.

<sup>4</sup> Goss at col. 5, lines 36-39.

Consequently, in view of the present amended and in light of the foregoing comments, it is respectfully submitted that the invention defined by Claims 1-6 is patentably distinguishing over the prior art. The present application is therefore believed to be in condition for formal allowance and an early and favorable reconsideration of the application is therefore requested.

Respectfully submitted,

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A handwritten signature in black ink, appearing to read 'Gregory J. Maier', is written over a horizontal line. The signature is fluid and cursive.

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IN THE DRAWINGS

The attached sheets of drawings include changes to Fig. 1. This sheet, which includes Fig. 1, replaces the original sheet including Fig. 1.

Attachment: Replacement Sheet (1)